

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Kloba *et. al.*

Appl. No.: (to be assigned)

Filed: July 2, 2001

For: **Method, System, and Computer
Program Product for Syncing to
Mobile Devices**

Art Unit: (to be assigned)

Examiner: (to be assigned)

Atty Docket: 1933.001000D

First Preliminary Amendment

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Prior to examination of the captioned application, please enter the following Preliminary Amendment.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those which may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, then such extensions of time are hereby petitioned under 37 C.F.R. §1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account, No. 19-0036.

Amendments

In the Specification:

Please amend the Specification as follows:

At page 1, after line 2 (the title of the application), please insert:

09897807-070301

--This application is a divisional of Application Serial No. 09/560,965, filed April 28, 2000, which is a continuation-in-part of Application Ser. No. 09/393,390, "Interactive Applications for Handheld Computers," filed September 10, 1999.--

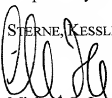
In the Claims:

Please cancel claims 2-8 without prejudice or disclaimer.

Remarks

Upon entry of the foregoing amendment, claim 1 is pending in this application. Claims 2-8 are sought to be canceled without prejudice or disclaimer. These changes are believed to be fully supported by the specification and are not believed to introduce new matter. Thus, it is respectfully requested that the amendments be entered by the Examiner. The Examiner is invited to telephone the undersigned representative if it is believed that an interview might be useful for any reason.

Respectfully submitted,


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Date: 7/3/01

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Second Preliminary Amendment

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the captioned application, please enter the following Preliminary Amendment.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments

In the Claims:

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Please cancel claim 1 without prejudice or disclaimer.

Please add the following new claims:

--9. A method for synchronizing a client and a server, comprising the steps of:

- (1) receiving a synchronization query from the client, wherein said synchronization query includes a first synchronization indicator;
- (2) comparing said first synchronization indicator with a second synchronization indicator maintained on behalf of the client to determine whether a previous synchronization process was successful;
- (3) if it is determined in step (2) that said previous synchronization process was not successful, then comparing said first synchronization indicator with one or more third synchronization indicators maintained on behalf of the client; and
- (4) if it is determined in step (3) that said first synchronization indicator corresponds to one of said third synchronization indicators, then generating instructions to synchronize the client and the server based on said one of said third synchronization indicators.

10. The method of claim 9, wherein step (4) comprises the steps of:

- (a) determining a first set of instructions to cause the client to roll back to a state associated with said one of said third synchronization indicators;
- (b) determining a second set of instructions to cause said client to move forward from said state associated with said one of said third synchronization indicators, to a state associated with said second synchronization indicator; and

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(c) transmitting said first and second sets of instructions to the client.

11. The method of claim 10, wherein step (4) further comprises the step of:

(d) generating a fourth synchronization indicator;

wherein said fourth synchronization indicator is also transmitted to the client in step (c).

12. The method of claim 10, further comprising the steps of:

(5) if it is determined in step (4) that said first synchronization indicator does not correspond to one of said third synchronization indicators, then generating a set of instructions to initialize the client; and

(6) transmitting said set of instructions to said client.

13. The method of claim 9, wherein said synchronization indicator includes a set of deltas, where a delta lists differences between versions of objects.

14. A computer program product comprising a computer useable medium including control logic stored therein, said control logic enabling synchronization of a server and a client, said control logic comprising:

receiving means for enabling a processor to receive a synchronization query from the client, wherein said synchronization query includes a first synchronization indicator;

first comparing means for enabling a processor to compare said first synchronization indicator with a second synchronization indicator maintained on behalf of the client to determine whether a previous synchronization process was successful;

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second comparing means for enabling a processor to compare said first synchronization indicator with one or more third synchronization indicators maintained on behalf of the client, if it is determined by said first comparing means that said previous synchronization process was not successful; and

generating means for enabling a processor to generate instructions to synchronize the client and the server based on said one of said third synchronization indicators, if it is determined by said second comparing means that said first synchronization indicator corresponds to one of said third synchronization indicators.

15. The computer program product of claim 14, wherein said generating means comprises:

means for enabling a processor to determine a first set of instructions to cause the client to roll back to a state associated with said one of said third synchronization indicators;

means for enabling a processor to determine a second set of instructions to cause said client to move forward from said state associated with said one of said third synchronization indicators, to a state associated with said second synchronization indicator; and

means for enabling a processor to transmit said first and second sets of instructions to the client.

16. The computer program product of claim 15, wherein said generating means further comprises:

means for enabling a processor to generate a fourth synchronization indicator;

wherein said fourth synchronization indicator is also transmitted to the client.

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17. The computer program product of claim 14, wherein said control logic further comprises:
means for enabling a processor to generate a set of instructions to initialize the client, if
it is determined by said second comparing means that said first synchronization indicator does
not correspond to one of said third synchronization indicators; and
means for enabling a processor to transmit said set of instructions to said client.

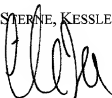
18. The computer program product of claim 14, wherein said synchronization indicator
includes a set of deltas, where a delta lists the differences between versions of objects.--

Remarks

Upon entry of the foregoing amendment, claims 9-18 are pending in this application. Claim 1 is sought to be canceled without prejudice or disclaimer. Claims 9-18 are sought to be added. In the parent case (Application No. 09/560,965), the Examiner issued a restriction requirement in which Applicants selected Group I. Claims 9-18 are the claims from Group II of the restriction, and are being filed in this divisional application. These changes are believed to be fully supported by the specification and are not believed to introduce new matter. Thus, it is respectfully requested that the amendment be entered by the Examiner. The Examiner is invited to telephone the undersigned representative if it is believed that an interview might be useful for any reason.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



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